



417661

**Re: Design Notification 12 - Air Monitoring Frequency****Michael Berkoff** to: McGuire, Pat

09/07/2011 02:03 PM

"Amanda.Batts@ch2m.com", "Rankin, Bill", "Amber, Danielle",  
 Cc: "Suardini, Ej", "Griffith, Garry T.", "Jeff.Keiser@CH2M.com",  
 "Scott.Hutsell@CH2M.com", "Melda, Zachary A.", "Zakrzewski,

From: Michael Berkoff/R5/USEPA/US  
 To: "McGuire, Pat" <Pat.McGuire@arcadis-us.com>  
 Cc: "Amanda.Batts@ch2m.com" <Amanda.Batts@ch2m.com>, "Rankin, Bill"  
 <Bill.Rankin@arcadis-us.com>, "Amber, Danielle" <Danielle.Amber@arcadis-us.com>,  
 "Suardini, Ej" <Ej.Suardini@arcadis-us.com>, "Griffith, Garry T." <gtgriffi@GAPAC.com>,

Garry,  
 EPA has received Design Notification No. 2011-12 which is the request to reduce the frequency of air monitoring of PCBs at the Willow Boulevard/A-Site Operable Unit of the Allied Paper/Portage Creek/Kalamazoo River Superfund Site. After reviewing the notification, EPA approves it, allowing for the reduction of monitoring frequency to the levels proposed in Notification No. 2011-12. Please contact me if you have any questions.  
 Michael

Michael Berkoff  
 Remedial Project Manager  
 U.S. EPA Region 5  
 Superfund Division  
 Remedial Response Section #3  
 Phone:(312) 353-8983  
 Fax:(312) 582-5160

"McGuire, Pat" Michael Attached for your review is Design Notifi... 08/26/2011 04:10:19 PM

From: "McGuire, Pat" <Pat.McGuire@arcadis-us.com>  
 To: Michael Berkoff/R5/USEPA/US@EPA  
 Cc: "Zakrzewski, Kristi (DNRE)" <ZakrzewskiK@michigan.gov>, "Griffith, Garry T." <gtgriffi@GAPAC.com>, "Melda, Zachary A." <Zachary.Melda@gapac.com>,  
 "Jeff.Keiser@CH2M.com" <Jeff.Keiser@CH2M.com>, "Scott.Hutsell@CH2M.com" <Scott.Hutsell@CH2M.com>, "Rankin, Bill" <Bill.Rankin@arcadis-us.com>, "Amber, Danielle" <Danielle.Amber@arcadis-us.com>, "Amanda.Batts@ch2m.com" <Amanda.Batts@ch2m.com>,  
 "Suardini, Ej" <Ej.Suardini@arcadis-us.com>  
 Date: 08/26/2011 04:10 PM  
 Subject: Design Notification 12 - Air Monitoring Frequency

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Michael  
 Attached for your review is Design Notification 12, which presents the PCB air monitoring results to date and requests a revision to the monitoring frequency. We would like to discuss this Design Notification on Mondays call.  
 Thanks  
 Pat

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Infrastructure · Water · Environment · Buildings

**DESIGN NOTIFICATION NO. 2011-012**

**PROJECT:** Willow Boulevard Landfill Construction  
**SITE:** Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site  
**LOCATION:** Kalamazoo, MI  
**OWNER:** Georgia-Pacific LLC  
**CONTRACTOR:** Terra Contracting  
**ENGINEER:** ARCADIS  
**COPIES TO:** Michael Berkoff (USEPA)  
Kristi Zakrzewski (MDNRE)  
Jeff Keiser (CH2M Hill)  
Scott Hutsell (CH2M Hill)  
Amanda Batts (CH2M Hill)  
Garry Griffith (Georgia-Pacific)  
Zachary Melda (Georgia-Pacific)  
Pat McGuire (ARCADIS)  
Bill Rankin (ARCADIS)  
EJ Suardini (ARCADIS)  
Phil Batten (ARCADIS)  
Danielle Amber (ARCADIS)

- ☐ **DESIGN CLARIFICATION – agency approval not required**  
☒ **DESIGN MODIFICATION – agency approval required**

**DESCRIPTION:**

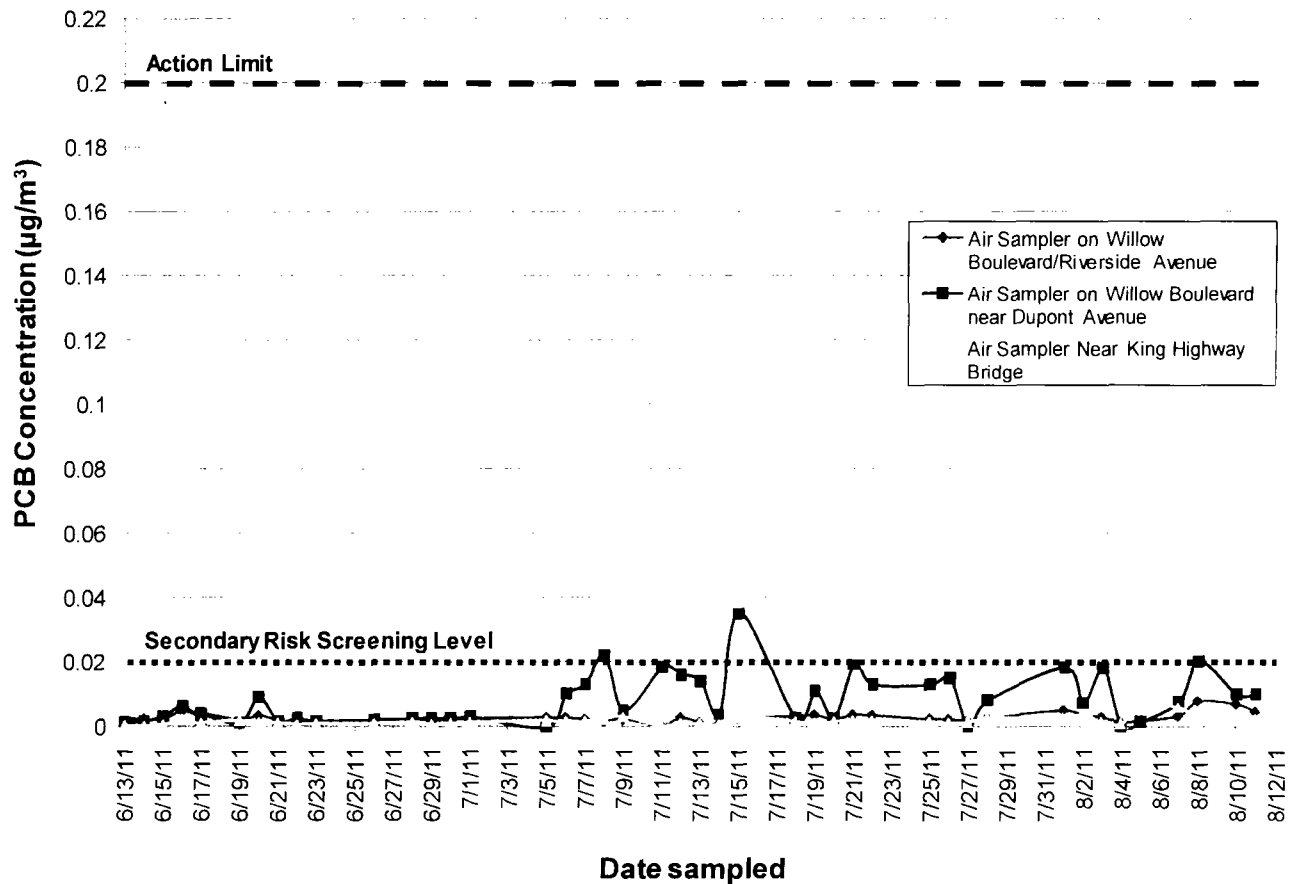
Daily air monitoring has been conducted during excavation activities at the Willow Boulevard Landfill since June 13, 2011. This Design Notification requests a reduction in the frequency of air monitoring activities at the Willow Boulevard Landfill, consistent with the approved Remedial Design – Ambient Air Monitoring.

Ambient Air Monitoring, as described in the Remedial Design, prescribes three monitoring stations located around the perimeter of Willow Boulevard Landfill – one background and two located on the south property line. Each monitor collects air samples on a 24 hour basis, per sample, during excavation activities. The Remedial Design – Ambient Air Monitoring sets an action limit of  $0.2 \mu\text{g}/\text{m}^3$ . Since the onset of air monitoring activities approximately 132 air sample results have been received for the three air monitoring stations. To date, there have been no exceedances of this Action Limit (as indicated in Figure 1). Additionally, the air monitoring samples have shown the air PCB concentrations during excavation activities are (with three exceptions) below the Secondary Risk Screening Level (SRSL) of  $0.02 \mu\text{g}/\text{m}^3$ . Since there have been no exceedances of the PCB Action Limit to date, and only three results at or above the SRSL, a reduction in the sampling frequency at the Willow Boulevard Landfill is requested. The request is to reduce the sampling to a minimum frequency of one sample per week during

earthwork including grading /cover activities or during periods when dry and dusty conditions exist. Air sampling activities would be performed in consultation with USEPA oversight personnel. Once the sand gas venting layer has been placed over consolidated materials on the landfill, it is proposed that air monitoring activities will be discontinued. Real-time air monitoring will continue as previously.

If, at any point during reduced frequency sampling, the Action Limit is exceeded in any of the air samples, USEPA will be informed and daily air monitoring will be resumed until PCB concentrations again meet the performance criteria of  $0.2 \mu\text{g}/\text{m}^3$ .

**Figure 1 Air Sampling Results at Willow Boulevard Landfill**



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**Figure 1 Air Sampling Results at Willow Boulevard Landfill**

